036048/US/2 – 475396-00173
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s)	:	Gilad Lerman et al.
Serial No.	:	To be assigned
Filed	:	Herewith (May 16, 2006)
Entitled	:	SYSTEM, METHOD AND SOFTWARE ARRANGEMENT UTILIZING A MULTI-STRIP PROCEDURE THAT CAN BE APPLIED TO GENE CHARACTERIZATION USING DNA-ARRAY DATA
Group Art Unit	:	To be assigned
Examiner	:	To be assigned

INFORMATION DISCLOSURE STATEMENT

EXPRESS MAIL NO.: EV 642 788 038 US

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicants brings to the attention of the Examiner the documents listed on the attached Form PTO 1449, and respectfully request that the listed documents be considered by the Examiner and made of record in the above-captioned application. Copy of the U.S. Patent references listed on the Form PTO-1449 is not enclosed, however the articles are enclosed.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents are material or constitute "prior art." If the Examiner applies the documents as prior art against any claim in the

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application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of the documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should the documents be applied against the claims of the present application.

This submission is being filed together with the application. Therefore, applicants do not believe that any fee is due in connection with the submission of this paper. However, if any fee is due, or if any overpayment has been made, the Commissioner is authorized to charge any such fee or credit any overpayment, to our Deposit Account No. 50-2054.

Respectfully submitted,

DORSEY & WHITNEY, LLP

Date: May 16, 2006

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Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office	Atty. Docket No. 36048/US/2 – 475396-00173	Serial No. To be determined
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant(s) Gilad Lerman et al.	
	Filing Date Herewith (May 16, 2006)	Group To be determined

U.S. PATENT DOCUMENTS

*Exam. Init.		Document No.							Date	Name	Class	Subclass	Filing Date if Appropriate
		6	7	6	3	3	0	8	Chu et al.	July 13, 2004 **			
		6	5	1	6	2	7	6	Ghandour et al.	February 4, 2003 **			

FOREIGN PATENT DOCUMENT

		Document No.							Date	Country	Class	SubClass	Translator Yes No

** References cited in the International Search Report

OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)

			Mutch et al. "The Limit Fold Change Model: A Practical Approach for Selecting Differentially Expresses Genes from Microarray Data" BMC Bioinformatics 2002, Vol. 3, No. 17, pages 1-11, see entire article, especially column 1-2, page 2 and column 2, page 3 **
			Farley et al., "Model-Based Clustering, Discriminant Analysis, and Density Estimation Technical Report No. 380", Department of Statistics, University of Washington, October 2000, see entire article **
			He Yang et al. "A segmental nearest neighbor normalization and gene identification method gives superior results for DNA-array analysis", PNAS, February 4, 2003 Vol. 100 No.3 Pages 1122-1127
			B. M. Bolstad, et al. "A comparison of normalization methods for high density oligonucleotide array data based on variance and bias", Bioinformatics 19(2), 2003, pages 185-193
			Bradley Efron et al. "Empirical Bayes Analysis of a Microarray Experiment", Journal of the American Statistical Association, December 2001, Vol. 96, No. 456, pages 1151-1160
			Peter W. Jones et al. "Rectifiable sets and the Traveling Salesman Problem", Inventiones Mathematicae 102, 1-15, 1990, pages 1-15
			Michael Parisi et al., "Paucity of Genes on the Drosophila X Chromosome Showing Male-Biased Expression", Science, January 31, 2003, Vol. 299, pages 697-700
			Cheng Li et al., "Model-based analysis of oligonucleotide arrays: Expression index computation and outlier detection", PNAS, January 2, 2001, Vol. 98, No. 1, pages 31-36
			Sandrine Dudoit et al., "Statistical methods for identifying differentially expresses genes in replicated cDNA microarray Experiments", Statistica Sinica 12, 2002, pages 111-139

Examiner	Date Considered

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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(Use several sheets if necessary)

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			Hans-George Muller et al., "Variable bandwidth kernel estimators of regression curves", The Annals of Statistics, Vol. 15, No. 1, March 1987, pages 182-201
			M.A. Newton et al., "On differential variability of expression ratios: improving statistical inference about gene expression changes from microarray data", Journal of Computational Biology, Vol. 8, No. 1, 2001, pages 37-52
			Gilad Lerman, "Quantifying Curvelike Structures of Measures by Using L_2 Jones Quantities", Communications on Pure and Applied Mathematics, 2003, pages 1294-1365

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Examiner	Date Considered

*   Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.